

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

Claims 1-32 (Canceled)

33. (Currently Amended) A method for delivering monomeric or dimeric insulin to a patient in need thereof, comprising administering to the patient a delivery formulation for the monomeric or dimeric insulin comprising an effective amount of insulin complexed with a diketopiperazine derivative, wherein the delivery formulation is prepared by complexing the insulin with microparticles of the diketopiperazine derivative by the steps of:

- a) providing pre-formed microparticles of diketopiperazine in a suspension comprising a solvent;
- b) adding insulin to said suspension; and
- c) removing solvent from said suspension;

wherein the diketopiperazine derivative has the formula 2,5-diketo-3,6-di(4-X-aminobutyl)piperazine, wherein X is selected from the group consisting of fumaryl, succinyl, maleyl, and glutaryl, and

wherein the microparticles release monomeric or dimeric insulin upon dissociation.

- 34. (Canceled)
- 35. (Previously presented) The method of claim 33 wherein X is fumaryl.
- 36. (Previously presented) The method of claim 33 wherein X is succinyl.
- 37. (Previously presented) The method of claim 33 wherein X is maleyl.
- 38. (Previously presented) The method of claim 33 wherein X is glutaryl.
- 39. (Previously presented) The method of claim 33 wherein the composition is in a dry powder form administered to the lungs via inhalation.

40. (Previously presented) The method of claim 33 wherein the patient is a Type II diabetic.

41. (Currently amended) The method of claim 40 wherein the composition is administered concurrently with, or less than about 20 minutes prior to, the patient eating a meal.

42. (Previously presented) The method of claim 33 wherein the composition is provided in one or more unit doses of insulin, each dose equivalent to about 6 IU of insulin.

43: (New) The method of claim 33 wherein said solvent is an aqueous solvent.

44. (New) The method of claim 33 wherein said solvent is removed by lyophilizing or freeze drying.